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MEMORANDUM	FOR: Chief,	Military-Economics	Division, C	ORR		6
ATIENTION:						
FROM:	Chief,	CIA/PID (NPIC)		-	:	
SUBJECT:	Mensur	ation of Possible S	SM Transport	er		
REFERENCES:		lequirement RR/372/6 CIA/PID Project C 12				
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2. Al	•	Vorobyevi Gori rai on data for this pro- ults.				
(8) Detailed	dimensions of the p	ossible tran	sporters:		ا
	(2) Over (3) Widt (4) Radi	call length call width th of cradle tus of curvature and the pth of cradle		eet (see re	marks)	2
		and the second s	le 1 le 2			2
	(6) Dist	tht of cradle ends ance between cradle tht of trailer body	es			
	νa	th, width, and heig rious members of the amework mounted on	ie			
-	tr	ansporter ance between variou	(see	remarks)	· S	
•	se	ections of the frame cance between each m	work (see	remarks)	Į.	1
		each section of fr	•	remarks)	• •	
	th	ance from each crad se obstructions at e ad of the transporte	each End o	of Cradle	easurable	
	(12) Heig	th of end obstructive base of transport	.ons			2
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- (b) As this project was worked, inconsistencies developed in the measurements that cannot be easily explained. They probably come from either distortions in the viewgraphs or in the distances and camera data given, but cannot be pinned down to these factors. Inconsistencies were especially noted in trying to develop data for the framework as called for in items 8, 9, 10, 11, and 12 listed above; therefore, it was not possible to develop reliable values for these items. Two overall values are given on the attached sketch from which estimates can be made of the desired dimensions. Since sections of the framework do not lie in exactly the same position on all the trailers, and parts of them extend above the line between the cradles as much as two feet, it has been suggested that the framework is actually a number of canopy supports temporarily lashed to the trailer in knock down positions for transport. This could mean that they are moved when any regular shaped object is placed on the cradles, or that the object carried is very irregular in configuration such as a PT boat hull.
- (c) The above listed dimensions are accurate to no more than ten percent. This large error percentage is given because checks made by different procedures did not agree any better than this amount. Due to some unknown factor such as large distortions introduced in making the viewgraphs, erroneously given camera focal length or misleading object distance estimated by the photographer, the measurements determined did not agree with those obtained using perspective techniques based on the given size of the tank car. Also, there was considerable inconsistency in vanishing point locations in the perspective solution, leading to additional disagreement in the results of the two methods when compared.
- (d) The overall width dimension given in item two is based on the fenders over the wheels at the Cradle 2 end. There is a longitudinal rail, probably a "tie-down" bar fastened just outside the top surface of the fenders. The 10 foot width given is based on the supposition that these "tie-down" bars are just outside the fenders which have an outside separation distance of 9.75 feet.
- (e) The radius of curvature of the two cradles given in Item 4 does not appear to be the same. Cradle 1 appears to have a much smaller radius than Cradle 2. In fact, Cradle 2 does not appear to have a single radius of curvature. At the cradle ends the curvature radius seems to be much smaller than it is for the middle portion. This apparent difference in curvature was noted independently by four different analysts in TID.
- (f) No dimensions were possible on the length, width, or wheel base of the railroad cars due to inadequate photographic perspectives.
- (g) A photo print with overlay giving all pertinent dimensions is herewith attached.

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4. Th	ls project is	considered to h	e complete.	
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